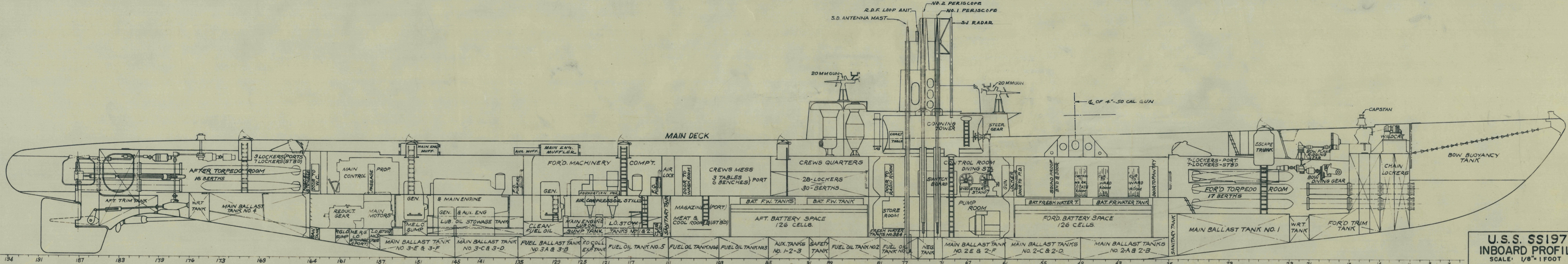


U.S.S. SS197  
PLATFORM DECK  
SCALE: 1/8" = 1 FOOT  
CBRN.300617 PLATE NO. 6



U.S.S. SS197  
INBOARD PROFILE  
SCALE: 1/8" = 1 FOOT  
CBRN.300617 PLATE NO. 4

U.S.S. SS197

# BOOKLET OF GENERAL PLANS

**RESTRICTED ACCOUNTABLE**

SERIAL N°

NAVY YARD, PORTSMOUTH, N.H. 8 JAN. 1940.

MADE BY: *ALBANI*  
CHECKED BY: *Boyd*  
IN CHG. OF WORK: *Boyd*  
PRIN. NAV. ARCH. *Boyd*

BU. NO. 300617 NO. A-258

CORRECTED TO SUIT SHIP		
PLACE	DATE	PLANNING OFFICER
PORTSMOUTH, NAVY YARD	AUG. 12, 1940	<i>Albani</i>
MADE (LAND) N.Y.	MAR. 7, 1943	<i>Boyd</i>
USNDD HUNTERS POINT B.B.R.	JUNE 17, 1944	<i>Boyd</i>

- PLATE NO. 1 - TITLE COVER.
- PLATE NO. 2 - TANK CAPACITIES & GENERAL DATA.
- PLATE NO. 3 - OUTBOARD PROFILE.
- PLATE NO. 4 - INBOARD PROFILE.
- PLATE NO. 5 - MAIN DECK.
- PLATE NO. 6 - PLATFORM DECK.
- PLATE NO. 7 - HOLD.

PLACE OF ISSUE	DATE	SERIAL NUMBER OF OFFICE TO WHICH ISSUED	PLACE OF ISSUE	DATE	SERIAL NUMBER OF OFFICE TO WHICH ISSUED
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	1	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	1
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	2	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	2
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	3	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	3
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	4	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	4
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	5	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	5
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	6	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	6
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	7	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	7
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	8	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	8
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	9	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	9
NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	10	NAVY YARD, PORTSMOUTH, N.H.	8 JAN. 1940	10

SANITARY TANKS		
TANKS	GALS. F.W.	TONS F.W.
SAN. NO. 1	449.7	1.67
SAN. NO. 2	875.2	3.25
SAN. NO. 3	285.5	1.06
TOTAL F.W.	1610.4	5.98

FRESH WATER TANKS		
TANKS	GALS. F.W.	TONS F.W.
SHIPS NO. 1	1098.7	4.08
SHIPS NO. 2	1098.7	4.08
SHIPS NO. 3	896.8	3.33
SHIPS NO. 4	896.8	3.33
BATTERY FOR'D.	597.8	2.22
BATTERY AFT.	597.8	2.22
TOTAL F.W.	5186.7	19.26

VARIABLE TANKS		
TANKS	GALS. S.W.	TONS S.W.
FOR'D. TRIM	7958.7	30.40
FOR'D. W.R.T.	1316.9	5.03
AUX. NO. 1	4091.9	15.63
AUX. NO. 2	4338.0	16.57
AUX. NO. 3	4338.0	16.57
AFTER W.R.T.	1361.4	5.20
AFTER TRIM	4623.4	17.68
TOTAL VARIABLE	28028.3	107.06
NEGATIVE TANK	2057.7	7.86

HEIGHTS	
LOWEST POINT OF KEEL TO TOP OF STRENGTH HULL AMIDSHIPS ON &	20'-4"
LOWEST POINT OF KEEL TO TOP OF FOR'D. BRIDGE DECK	31'-10 1/2"
LOWEST POINT OF KEEL TO TOP OF AFT. BRIDGE DECK	31'-2 1/2"
LOWEST POINT OF KEEL TO TOP OF CONNING TOWER PLATING	28'-4 1/2"
LOWEST POINT OF KEEL TO TOP OF SIGNAL BRIDGE	39'-0"
LOWEST POINT OF KEEL TO TOP OF PERISCOPE N°2 EXTENDED	67'-3 1/4"
LOWEST POINT OF KEEL TO TOP OF PERISCOPE N°1 EXTENDED	67'-3 1/4"

LUBRICATING OIL SUMP TANKS		
75% CAPACITY		
TANKS	GALS. L.O.	TONS L.O.
L.O. SUMP NO. 1	334.7	1.15
L.O. SUMP NO. 2	334.7	1.15
L.O. SUMP NO. 3	285.2	.98
L.O. SUMP NO. 4	285.2	.98
RED. GEAR SUMP NO. 1	229.9	.79
RED. GEAR SUMP NO. 2	229.9	.79
TOTAL L.O. SUMP	1699.4	5.84
MAXIMUM L.O.	2643.5	22.83

STORAGE LUBRICATING OIL TANKS		
95% CAPACITY		
TANKS	GALS. L.O.	TONS L.O.
L.O. NO. 1	555.8	1.91
L.O. NO. 2	555.8	1.91
L.O. NO. 3	1030.1	3.84
L.O. NO. 4	1030.1	3.84
L.O. NO. 5	1283.3	4.41
MOTOR & RED. GEAR	489.9	1.68
TOTAL L.O. STORAGE	4944.1	16.99

PRINCIPAL DIMENSIONS	
LENGTH OVERALL	310'-6"
LENGTH BETWEEN PERPENDICULARS	302'-6"
BREADTH, MOLDED	26'-0 1/2"
BREADTH, EXTREME	26'-10 1/2"
PROJECTION FOR'D. OF F.P.	8'-0"
LENGTH OF STRAIGHT KEEL	147'-0"
DRAFT SURFACE CONDITION TO UNDERSIDE OF KEEL PLATES (MEAN)	18'-6"
RATIO: LENGTH TO BEAM	11.55
SHAFTS DIVERGE AT ANGLE WITH & OF SHIP	1° 24'
SHAFTS & AT REDUCTION GEAR (7 AFT. FR. 161) FROM & SHIP	4'-3 1/2"
SHAFTS & AT REDUCTION GEAR (7 AFT. FR. 161) ABOVE BASE LINE	8'-2 1/2"
SHAFTS RAKE OUTBOARD & AFT. .02447" PER INCH FROM &	
SHAFTS RAKE FROM BASE LINE & FOR'D. .02551" PER INCH FROM B.L.	
SHAFTS & FROM BASE LINE AT FR. 183	7'-1"
SCREWS CENTER FOR'D. OF A.P.	22'-6"
RUDDER AXIS FOR'D. OF A.P.	14'-6"
NUMBER OF FRAMES	194

FRAME SPACING (0 TO FR. 35+24") (FR. 35 TO FR. 89+15") (FR. 89 TO FR. 95+24")  
(FR. 95 TO FR. 157+13") (FR. 157 TO FR. 194+24")

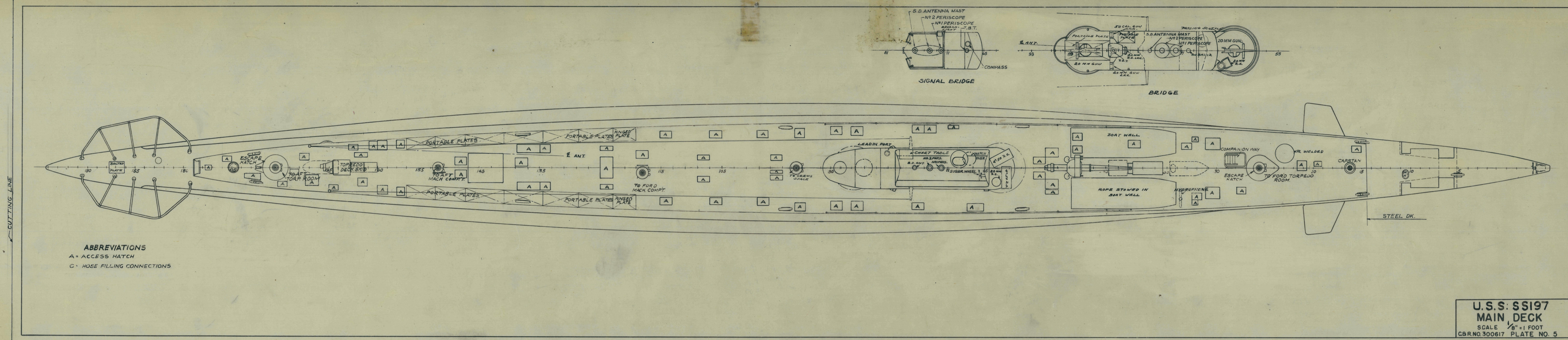
NORMAL FUEL OIL TANKS		
TANKS	GALS. F.O.	TONS F.O.
N.F.O. NO. 1	16550	63.21
N.F.O. NO. 2	15740	60.11
N.F.O. NO. 3	16210	61.91
N.F.O. NO. 4	15725	60.06
N.F.O. NO. 5	18450	71.23
COLLECTING	3480	11.08
EXPANSION	3480	11.08
C.F.O. NO. 1 & 2 - 95%	1370	4.36
TOTAL F.O.	91205	290.45

MAIN BALLAST TANKS		
INCLUDING VENT PIPING		
TANKS	GALS. S.W.	TONS S.W.
M.B.T. NO. 1	11684.1	44.63
M.B.T. NO. 2A	7136.7	27.26
M.B.T. NO. 2B	7136.7	27.26
M.B.T. NO. 2C	8458.8	32.31
M.B.T. NO. 2D	8458.8	32.31
M.B.T. NO. 2E	8191.7	31.29
M.B.T. NO. 2F	8191.7	31.29
F.B.T. NO. 3A	8255	31.53
F.B.T. NO. 3B	8255	31.53
M.B.T. NO. 3C	2886.4	25.54
M.B.T. NO. 3D	2886.4	25.54
M.B.T. NO. 3E	575.4	21.99
M.B.T. NO. 3F	575.4	21.99
M.B.T. NO. 4	11683.7	44.17
SAFETY	6432.4	24.57
TOTAL M.B.	118645.1	453.19

NOTE:  
CAPACITIES DO NOT INCLUDE  
LEAD REDUCTIONS

U.S.S. 55197  
TANK CAPACITIES  
& GENERAL DATA  
C.B.R. NO. 300617 PLATE NO. 2

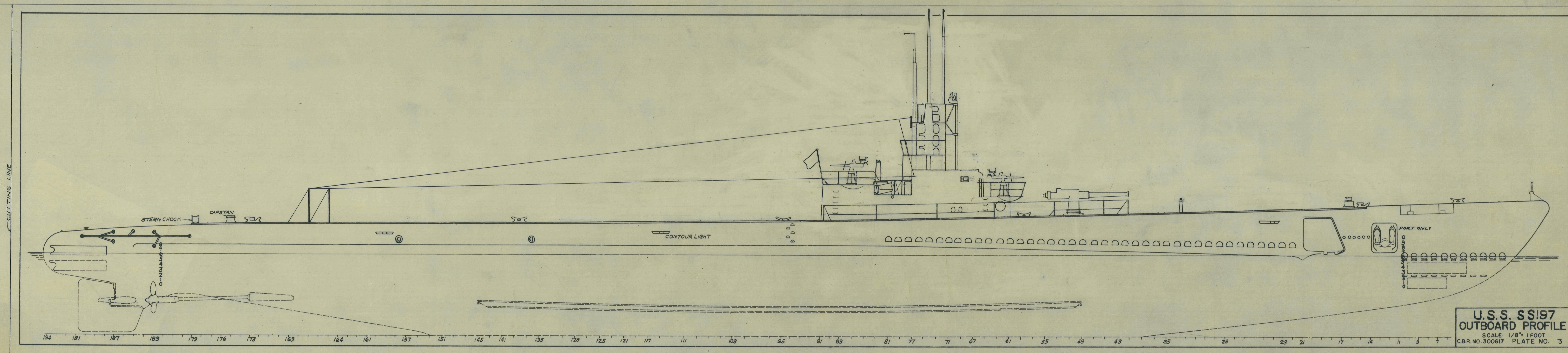
DATE	REVISION	BY	DATE	REVISION	BY
11/1/70	1	W. J. H.	11/1/70	1	W. J. H.
11/1/70	2	W. J. H.	11/1/70	2	W. J. H.
11/1/70	3	W. J. H.	11/1/70	3	W. J. H.
11/1/70	4	W. J. H.	11/1/70	4	W. J. H.
11/1/70	5	W. J. H.	11/1/70	5	W. J. H.
11/1/70	6	W. J. H.	11/1/70	6	W. J. H.
11/1/70	7	W. J. H.	11/1/70	7	W. J. H.
11/1/70	8	W. J. H.	11/1/70	8	W. J. H.
11/1/70	9	W. J. H.	11/1/70	9	W. J. H.
11/1/70	10	W. J. H.	11/1/70	10	W. J. H.



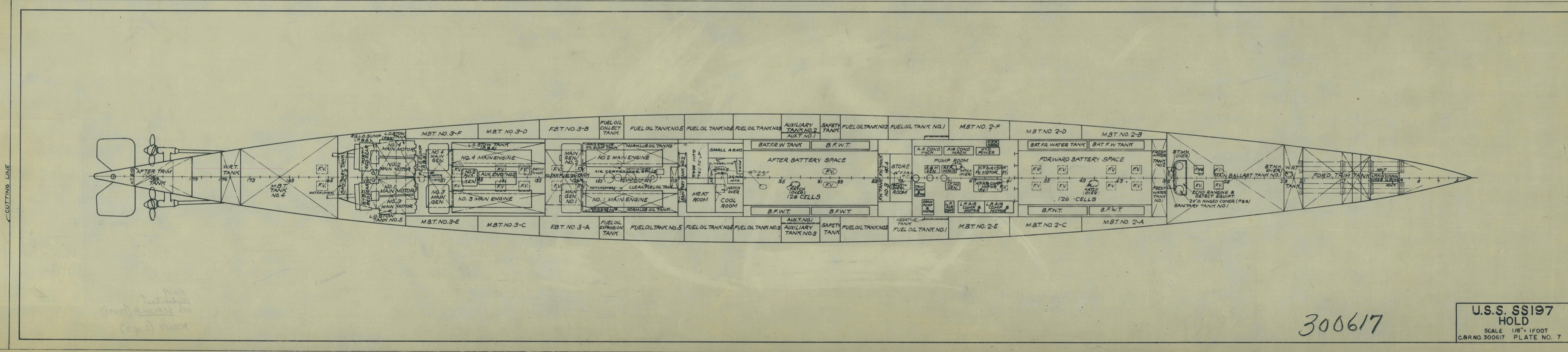
**U.S.S. SS197  
 MAIN DECK**  
 SCALE 1/8" = 1' FOOT  
 C.B.N. NO. 300617 PLATE NO. 5

**PRINTS ISSUED**

PLACE OF ISSUE	DATE	SERIAL NO.	TO WHOM ISSUED
NAVY	4-10		BU OF SHIPS
"	4-10		ON NAVY OP.
"	4-10		ELI ORD.
"	4-10		COMDT NY.
"	4-10		PELA.
"	4-10		NORFOLK
"	4-10		ROSTON
"	4-10		CHARLS.
"	4-10		PORTS.
"	4-10		PAUSE.
"	4-10		PEARL H.
"	4-10		PREL. N.W.C.
"	4-10		I.C. BOARD
"	4-10		N.S.S. 55-RT/SEMPLE
"	4-10		COMDISPAC
"	4-10		COMSUBRON 4
"	4-10		COMSUBDIV 43
"	4-10		COMSUBDIV 43
"	4-10		U.S. NAVY
"	4-10		U.S. NAVY



**U.S.S. SS197  
 OUTBOARD PROFILE**  
 SCALE 1/8" = 1' FOOT  
 C.B.N. NO. 300617 PLATE NO. 3



**U.S.S. SS197  
 HOLD**  
 SCALE 1/8" = 1' FOOT  
 C.B.N. NO. 300617 PLATE NO. 7

300617